

## IN THE CLAIMS:

*Please amend claim 18 and cancel claims 19-22 as shown in the following complete listing:*

Claims 1-17 and 19-22: (cancelled)

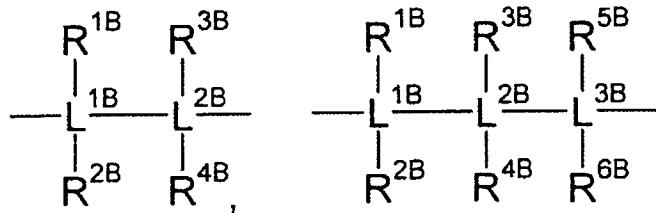
**18.** (currently amended) A monocyclopentadienyl complex of the formula



where the variables have the following meanings:

Cp is a cyclopentadienyl system,

Z is a bridge between A and Cp and is selected from the group consisting of



where

$L^{1B}-L^{3B}$  are each, independently of one another, carbon or silicon,

$R^{1B}-R^{6B}$  are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR<sup>7B</sup><sub>3</sub>, where the organic radicals R<sup>1B</sup>-R<sup>6B</sup> may also be substituted by halogens and two geminal or vicinal radicals R<sup>1B</sup>-R<sup>6B</sup> may also be joined to form a five- or six-membered ring and

$R^{7B}$  are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl or alkylaryl having from 1 to 10 carbon

atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R<sup>7B</sup> may also be joined to form a five- or six-membered ring,

A ~~is an unsubstituted, substituted or fused, heteroaromatic ring system,~~

M is a metal selected from the group consisting of chromium, molybdenum and tungsten,

m is 1, 2 or 3,

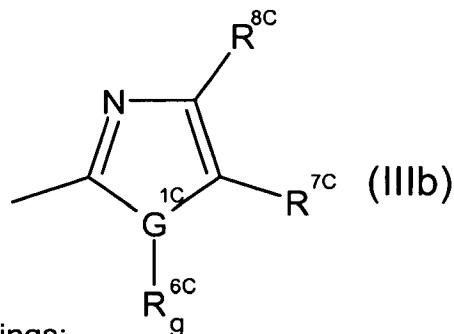
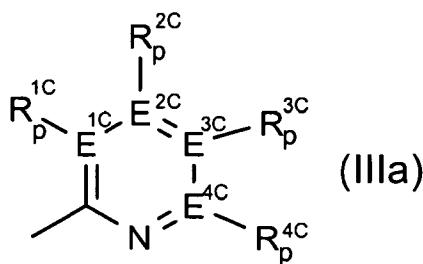
X are each, independently of one another, fluorine, chlorine, bromine, iodine, hydrogen, C<sub>1</sub>-C<sub>10</sub>-alkyl, C<sub>2</sub>-C<sub>10</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having 1-10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, NR<sup>1</sup>R<sup>2</sup>, OR<sup>1</sup>, SR<sup>1</sup>, SO<sub>3</sub>R<sup>1</sup>, OC(O)R<sup>1</sup>, CN, SCN, β-diketonate, CO, BF<sub>4</sub><sup>-</sup>, PF<sub>6</sub><sup>-</sup> or a bulky noncoordinating anion,

R<sup>1</sup>-R<sup>2</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, SiR<sup>3</sup><sub>3</sub>, where the organic radicals R<sup>1</sup>-R<sup>2</sup> may also be substituted by halogens and two radicals R<sup>1</sup>-R<sup>2</sup> may also be joined to form a five- or six-membered ring,

R<sup>3</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R<sup>3</sup> may also be joined to form a five- or six-membered ring  
[[and]]

k is 1, 2 or 3, and

A is an unsubstituted, substituted or fused, heteroaromatic ring system having the formula (IIIa) or (IIIb):



where the variables have the following meanings:

E<sup>1C</sup>-E<sup>4C</sup> are each carbon or nitrogen,

R<sup>1C</sup>-R<sup>4C</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR<sup>5C</sup><sub>3</sub>, where the organic radicals R<sup>1C</sup>-R<sup>4C</sup> may also be substituted by halogens or nitrogen and further C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR<sup>5C</sup><sub>3</sub> groups and two vicinal radicals R<sup>1C</sup>-R<sup>4C</sup> or R<sup>1C</sup> and Z may also be joined to form a five- or six-membered ring and

R<sup>5C</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl or alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R<sup>5C</sup> may also be joined to form a five- or six-membered ring and

p is 0 when E<sup>1C</sup>-E<sup>4C</sup> is nitrogen and 1 when E<sup>1C</sup>-E<sup>4C</sup> is carbon.

G<sup>1C</sup> is nitrogen, phosphorus, sulfur or oxygen,

R<sup>6C</sup>-R<sup>8C</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR<sup>9C</sup><sub>3</sub>, where the organic radicals R<sup>6C</sup>-R<sup>8C</sup> may also be substituted by halogens or nitrogen and further C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR<sup>9C</sup><sub>3</sub> groups and two vicinal radicals R<sup>6C</sup>-R<sup>8C</sup> or R<sup>6C</sup> and Z may also be joined to form a 5- or 6-membered ring and

R<sup>9C</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl or alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R<sup>9C</sup> may also be joined to form a five- or six-membered ring and

g is 0 when G<sup>1C</sup> is sulfur or oxygen and 1 when G<sup>1C</sup> is nitrogen or phosphorus.